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(54) Polyacrylamide gel for medi-
 cal and biological application and
 method of its preparation

(57) A polyacrylamide gel for medi-
 cal and biological application con-
 tains polyacrylamide and physiolog-
 ical solution with the following ratio
 of components (in % by weight):

polyacrylamide	3.0-28.0
physiological solution	72.0-97.0

The method of preparation of the
 said polyacrylamide gel comprises
 polymerization of acrylamide to-
 gether with methylene-bis-acrylam-
 ide and elution of the final product,
 both polymerization and elution be-

ing carried out in the medium of
 the physiological solution. The poly-
 acrylamide gel can be used as a
 base of nutrient mediums for grow-
 ing microorganisms, artificial crys-
 talline lenses and elastic contact
 lenses.

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